

# Risk management as a tool for the conservation of the forests of *Nothofagus alessandrii*, an endangered species of central Chile Gestión de riesgo como herramienta para la conservación de los bosques de *Nothofagus alessandrii*, una especie en peligro de ext

Moya, Rómulo Santelices

Meza, Sergio Espinoza

Ariza, Antonio Cabrera

Díaz, Carlos Magni

Climate change is a global threat affecting diverse forest formations, with the consequent loss of ecosystem services and quality of life of the inhabitants. Given the recurrent presence of natural disasters, having policies to deal with their consequences is desirable, risk management being a tool to such effects. In the face of climate change threats over the loss of ecosystem services, this paper aims to analyze the available information and research needs and priorities in order to be prepared and trained to mitigate the effects of fragmentation and loss of forests of *Nothofagus alessandrii* Espinosa (Ruil), an endangered and highly inbred species. To achieve the conservation of the remaining forests and the genetic resources of this species, a risk management program is proposed in three areas: 1) territorial planning for fire reduction and propagation, 2) increased knowledge about factors that shape the genetic and adaptive diversity of the species, and some aspects of its reprodu